

IN THE CLAIMS:

Please cancel Claims 2, 9, 16, 23 and 26 without prejudice or disclaimer of subject matter, and amend Claims 1, 3 to 8, 10 to 15, 17 to 22 and 24, 25, 27 and 28 as shown below. The claims, as pending in the subject application, now read as follows:

1. (Currently amended) An image input system in which at least first and second information processing units are connected via a network, comprising:

first control means in the first information processing unit controlling a first image input device connected to the first information processing unit to supply input image data to various application programs by a predetermined image input interface;

second control means for supplying image data input by the first image input device to a first application program installed in the second information processing unit by transferring control information based on the image input interface via the network, the control information being exchanged between the first application program and said first control means; and

third control means for switching a mode for transferring the image data from compulsorily changing part of the data exchanged between the first image input device to the first application program in accordance with communication status between the first image input device and the first application program and said first control means via said second control means.

2. (Canceled)

3. (Currently amended) An image input system according to Claim 1 ~~[[2]]~~, wherein, the image input interface is operated in ~~includes, as~~ modes for transferring image data from the input device to an application program, a first transfer mode for batch-transferring image data and a second transfer mode for dividing image data in data block units based on an instruction from the application program and transferring blocks of the image data in sequence, and

wherein, said third control means switches ~~changes~~ the first transfer mode designated by the first application program to the second transfer mode.

4. (Currently amended) An image input system according to Claim 3, further comprising:

fourth control means in the second information processing unit controlling a second image input device connected to the second information processing unit to supply input image data to the various application programs by the predetermined image input interface; and

selection means for selecting, from a plurality of image input devices including the first and second image input devices, an image input device for supplying image data to the first application program,

wherein said third control means selectively switches ~~changes~~ the first transfer mode designated by the first application program to the second transfer mode in accordance with the selection result obtained by said selection means.

5. (Currently amended) An image input system according to Claim 4, wherein, when the second image input device is selected by said selection means, said third control means

does not switch ~~change~~ the first transfer mode designated by the first application program to the second transfer mode.

6. (Currently amended) An image input system according to Claim 3, wherein, said third control means analyzes the control information from the first application program for controlling said first control means and selectively switches ~~changes~~ the first transfer mode designated by the first application program to the second transfer mode in accordance with the analysis result.

7. (Currently amended) An image input system according to Claim 6, wherein, said third control means determines a size of image data by analyzing the control information from the first application program for controlling said first control means and selectively switches ~~changes~~ the first transfer mode designated by the first application program to the second transfer mode in accordance with the determination result.

8. (Currently amended) An information processing unit connected to a network, comprising:

communication means for communicating data with a first image input device on the network, the first image input device supplying input image data to various application programs by a predetermined image input interface;

first control means for supplying image data from the first image input device to a first application program installed in said information processing unit by transferring control

information based on the image input interface via the network, the control information being exchanged between the first application program and the first image input device; and

second control means for switching a mode for transferring the image data from compulsorily changing part of the data exchanged between the first image input device to the first application program in accordance with communication status between the first image input device and the first application program and the first image input device via said first control means.

9. (Canceled.)

10. (Currently amended) An information processing unit according to Claim 8 [[9]], wherein, the image input interface is operated in ~~includes, as~~ modes for transferring image data from the first image input device to an application program, a first transfer mode for batch-transferring image data and a second transfer mode for dividing image data in data block units based on an instruction from the application program and transferring blocks of the image data in sequence, and

wherein, said second control means switches ~~changes~~ the first transfer mode designated by the first application program to the second transfer mode.

11. (Currently amended) An information processing unit according to Claim 10, further comprising:

image input means for controlling a second image input device connected to said information processing unit to supply input image data to the various application programs by the predetermined image input interface; and

selection means for selecting, from a plurality of options including the first image input device and said image input means, an image input source for supplying image data to the first application program,

wherein, in accordance with the selection result obtained by said selection means, said second control means selectively switches ~~changes~~ the first transfer mode designated by the first application program to the second transfer mode.

12. (Currently amended) An information processing unit according to Claim 11, wherein, when said image input means is selected by said selection means, said second control means does not switch ~~change~~ the first transfer mode designated by the first application program to the second transfer mode.

13. (Currently amended) An information processing unit according to Claim 10, wherein, said second control means analyzes the control information from the first application program for controlling the first image input device and selectively switches ~~changes~~ the first transfer mode designated by the first application program to the second transfer mode in accordance with the analysis result.

14. (Currently amended) An information processing unit according to Claim 13, wherein, said second control means determines a size of image data by analyzing the control

information from the first application program for controlling the first image input device and selectively switches ~~changes~~ the first transfer mode designated by the first application program to the second transfer mode in accordance with the determination result.

15. (Currently amended) An information processing method for an information processing unit connected to a network, said information processing method comprising:

a communication step for communicating data with a first image input device on the network, the first image input device supplying input image data to various application programs by a predetermined image input interface;

a first control step for supplying image data from the first image input device to a first application program installed in said information processing unit by transferring control information based on the image input interface via the network, the control information being exchanged between the first application program and the first image input device; and

a second control step for switching a mode for transferring the image data from compulsorily changing part of the data exchanged between the first application program in accordance with communication status between the first image input device and the first application program and the first image input device via said first control means.

16. (Canceled.)

17. (Currently amended) An information processing method according to Claim 15 ~~16~~, wherein, the image input interface is operated in ~~includes, as~~ modes for transferring image data from the first image input device to an application program, a first transfer mode for

batch-transferring image data and a second transfer mode for dividing image data in data block units based on an instruction from the application program and transferring blocks of the image data in sequence, and

wherein, in said second control step, the first transfer mode designated by the first application program is switched ~~changed~~ to the second transfer mode.

18. (Currently amended) An information processing method according to Claim 17, further comprising:

an image input step for controlling a second image input device connected to said information processing unit to supply input image data to the various application programs by the predetermined image input interface; and

a selection step for selecting, from a plurality of options including image input performed by the first image input device and image input performed in said image input step, an image input source for supplying image data to the first application program,

wherein, in said second control step, the first transfer mode designated by the first application program is selectively switched ~~changed~~ to the second transfer mode in accordance with the selection result obtained in said selection step.

19. (Currently amended) An information processing method according to Claim 18, wherein, when image input performed in said image input step is selected in said selection step, the first transfer mode designated by the first application program is not switched ~~changed~~ to the second transfer mode in said second control step.

20. (Currently amended) An information processing method according to Claim 17, wherein, in said second control step, the control information from the first application program for controlling the first image input device is analyzed and the first transfer mode designated by the first application program is selectively switched ~~changed~~ to the second transfer mode in accordance with the analysis result.

21. (Currently amended) An information processing method according to Claim 20, wherein in said second control step, a size of image data is determined by analyzing the control information from the first application program for controlling the first image input device and the first transfer mode designated by the first application program is selectively switched ~~changed~~ to the second transfer mode in accordance with the determination result.

22. (Currently amended) A computer readable memory medium having recorded thereon a computer program to be executed by a computer of an information processing unit connected to a network, said computer program comprising:

a communication step for communicating data with an image input device on the network, the image input device supplying input image data to various application programs by a predetermined image input interface;

a first control step for supplying image data from the image input device to a first application program installed in said information processing unit by transferring control information based on the image input interface via the network, the control information being exchanged between the first application program and the image input device; and

a second control step for switching a mode for transferring the image data from
compulsorily changing part of the data exchanged between the first image input device to the
first application program in accordance with communication status between the first image input
device and the first application program ~~and the image input device via said first control means.~~

23. (Canceled.)

24. (Currently amended) A computer readable memory medium according to
Claim ~~22~~ 23, wherein the image input interface is operated in ~~includes, as~~ modes for transferring
image data from the image input device to an application program, a first transfer mode for
batch-transferring image data and a second transfer mode for dividing image data in data block
units based on an instruction from the application program and transferring blocks of the image
data in sequence; and

in said second control step, the first transfer mode designated by the first
application program is switched ~~changed~~ to the second transfer mode.

25. (Currently amended) A computer program to be executed by a computer of an
information processing unit connected to a network, comprising:

a communication step for communicating data with an image input device on the
network, the image input device supplying input image data to various application programs by a
predetermined image input interface;

a first control step for supplying image data from the image input device to a first
application program installed in said information processing unit by transferring control

information based on the image input interface via the network, the control information being exchanged between the first application program and the image input device; and

a second control step for compulsorily switching ~~changing~~ part of the data exchanged between the first application program and the image input device via said first control means.

26. (Currently amended) A computer program according to Claim 25, wherein, the data compulsorily switched ~~changed~~ in said second control step includes data indicating a mode for transferring the image data from the image input device to the first application program.

27. (Currently amended) A computer program according to Claim 26, wherein, the image input interface includes, as modes for transferring image data from the image input device to an application program, a first transfer mode for batch-transferring image data and a second transfer mode for dividing image data in data block units based on an instruction from the application program and transferring blocks of the image data in sequence; and

in said second control step, the first transfer mode designated by the first application program is switched ~~changed~~ to the second transfer mode.

28. (Currently amended) An information processing unit connected to a network, comprising:

a communication unit of communicating data with a first image input device on the network, the first image input device supplying input image data to various application programs by a predetermined image input interface; and

a controller of supplying image data from the first image input device to a first application program installed in said information processing unit by transferring control information based on the image input interface via the network, the control information being exchanged between the first application program and the first image input device,[[;]]

wherein said controller compulsorily switches ~~changes~~ part of the data exchanged between the first application program and the first image input device.